

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2035	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2035 Conaway	U	12.09				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	2.54		2.54	21.01%		
Encroachments					3.79	
Crown Surface / Depressions / Rutting	0.01		0.01	0.08%		
<i>Supplemental</i>						
USACE Erosion Survey	0.39		0.39	3.23%		
<i>LMA Totals:</i>	2.94	0.00	2.94	24.32%	3.79	0.00

Unit No. 01 Cache Creek Settling Basin RB	Overall Unit Rating	Total Unit Miles				
RD2035	U	2.01				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	2.54		2.54	126.37%		
<i>Unit Totals:</i>	2.54	0.00	2.54	126.37%	0.00	0.00

Unit No. 02 Yolo Bypass RB	Overall Unit Rating	Total Unit Miles				
RD2035	A	7.57				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					1.78	
<i>Supplemental</i>						
USACE Erosion Survey	0.39		0.39	5.15%		
<i>Unit Totals:</i>	0.39	0.00	0.39	5.15%	1.78	0.00

Unit No. 03 Willow Slough Bypass LB	Overall Unit Rating	Total Unit Miles				
RD2035	A	2.51				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					2.01	
Crown Surface / Depressions / Rutting	0.01		0.01	0.40%		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.40%	2.01	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Fall 2011 Levee Inspection Results****Reclamation District No. 2035 Conaway**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles
Unit No. 01 Cache Creek Settling Basin			Right	2.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/17/2011 - 5/17/2011		11/8/2011 - 11/8/2011	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2035 Conaway

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Cache Creek Settling Basin						Right	2.01	11/08/2011 11/08/2011	Clay Thomas	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.02	0.57	Earthen Levee	Vegetation	CR	M	Remove the wild growth other than native grasses from the levee slopes.	38.677373 ° -121.709625 °	38.677331 ° -121.699334 °	3 Y
2	0.02	2.01	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.677373 ° -121.709624 °	38.677195 ° -121.673448 °	2 Y
3	0.02	2.01	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.677373 ° -121.709623 °	38.677192 ° -121.673459 °	1 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	11/08/2011 11/08/2011	Clay Thomas

Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	2.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 0.00.

cathom_f_20111130_990.jpg



Levee Mile Report Line	3
Start Levee Mile	0.02
End Levee Mile	2.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 0.00.

cathom_f_20111130_991.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Right	7.57
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/17/2011 - 5/17/2011		11/8/2011 - 11/8/2011	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2035 Conaway

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Yolo Bypass						Right	7.57	11/08/2011 11/08/2011	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.09	7.51	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.675927 ° -121.672367 °	38.575569 ° -121.634915 °	1 Y
2	0.09	7.51	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.675926 ° -121.672366 °	38.575568 ° -121.634915 °	2 Y
3	1.19	1.23	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Small sections of slumping, likely from wind wave. [2011 Site ID: YOL_1-2_R]	38.660050 ° -121.669028 °	38.659465 ° -121.668940 °	4 Y
4	1.97	2.01	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011: Small sections of slumping lower bank, just downstream of bank rock. [2011 Site ID: YOL_2-0_R]	38.648881 ° -121.666653 °	38.648178 ° -121.666385 °	5 Y
5	2.23	4.01	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.645470 ° -121.665573 °	38.623062 ° -121.648925 °	979
6	4.06	4.37	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Wave wash erosion and some saturation slumping occurring. Several small scallops present in lower levee slope/toe due to saturation slumping. Tension/separation cracks evident in fine-grained levee slope materials. 2011: Small pockets of erosion throughout the site. Site formerly called 3.8. [2011 Site ID: YOL_4-2_R]	38.622224 ° -121.648201 °	38.618302 ° -121.645296 °	6 Y

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.57	11/08/2011 11/08/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.09
End Levee Mile	7.51
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 0.09.

cathom_f_20111130_992.jpg



Levee Mile Report Line	2
Start Levee Mile	0.09
End Levee Mile	7.51
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 0.09.

cathom_f_20111130_993.jpg



Levee Mile Report Line	3
Start Levee Mile	1.19
End Levee Mile	1.23
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_YOL_1-2_R_1.jpg



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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.57	11/08/2011 11/08/2011	Clay Thomas

Levee Mile Report Line	4
Start Levee Mile	1.97
End Levee Mile	2.01
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_YOL_2-0_R_1.jpg



Levee Mile Report Line	4
Start Levee Mile	1.97
End Levee Mile	2.01
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_YOL_2-0_R_2.jpg



Levee Mile Report Line	6
Start Levee Mile	4.06
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_YOL_4-2_R_1.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles
Unit No. 03 Willow Slough Bypass			Left	2.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/17/2011 - 5/17/2011		11/8/2011 - 11/8/2011	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Regina Cherovsky		Regina Cherovsky	

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Signature of LMA Representative

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Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2035 Conaway

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass						Left	2.51	11/08/2011 11/08/2011	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.04	2.48	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.575460 ° -121.636394 °	38.590776 ° -121.664865 °	1 Y
2	0.04	2.48	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.575460 ° -121.636398 °	38.590777 ° -121.664865 °	2 Y
3	0.08	2.09	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.575615 ° -121.636680 °	38.590877 ° -121.657538 °	973
4	1.80	1.80	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	38.591140 ° -121.652100 °	38.591140 ° -121.652100 °	5 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	11/08/2011 11/08/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.04
End Levee Mile	2.48
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 0.04.

cathom_f_20111130_994.jpg



Levee Mile Report Line	2
Start Levee Mile	0.04
End Levee Mile	2.48
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 0.04.

cathom_f_20111130_995.jpg



Levee Mile Report Line	4
Start Levee Mile	1.80
End Levee Mile	1.80
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

This appears to be a drill sampling hole, it appears to have been grouted and sank into the levee at levee mile 1.80.

cathom_f_20111130_996.jpg



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